33

HIGH AVAILABILITY PLANNING
AND SCHEDULING ARCHITECTURE

ABSTRACT OF THE DISCLOSURE

A high availability planning and scheduling system includes a number of high availability (HA) systems (20) that are coupled to one or more external systems (40) using a message bus (50). Each HA system (20) includes an HA server (24) that receives and queues requests received from the external systems (40). Each HA system (20) also includes an advanced planning and scheduling (APS) engine (22) that receives a request from the HA server (24) and processes the request using planning information stored in memory of the HA system (20). Furthermore, the APS engine (22) also modifies the planning information according to the processing of the request and generates a response to the external system (40) from which the request originated. The high availability planning and scheduling system further includes a message manager (54) that directs each request received from the external systems (40) to an appropriate HA system (20) using the message bus (50).